IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Gudrun E. Huckett

Gudrun E. Huckett, Patent Agent

Applicant:	Peter Wörwag
Serial No:	10/087,254
U.S. Filed:	3/1/2002
For:	Vacuum Cleaning Tool with Rotating Brush Roller

Assistant Commissioner for Patents

Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

In accordance with 37 CFR § 1.56, Applicant wishes to call the attention of the Examiner to the following reference(s):

1) US 5,950,275

2) EP 0 338 780

3) DE 41 08 900

4) DE 34 14 862

The references 1) and 3) through 4) have been cited in the German office action in

the counterpart German patent application. Reference 2) has been discussed in the instant specification on page 1, lines 16ff. Copies of the listed documents are submitted herewith along with the form PTO-1449.

Reference 3) describes a vacuum cleaning tool comprising a housing 2 having an intake opening 19 in its bottom 6 through which a brush roller 4 projects so as to contact the floor to be cleaned and through which a suction flow enters the housing. The tool is driven by an air turbine 10 which is driven by the suction flow flowing from the intake opening 19 through an opening 15 into the chamber of the air turbine. The suction flow is adjustable in that the opening 15 can be changed by two slides 20, 25 with regard to its flow cross-section, wherein the slides 20, 25 are coupled with one another. Figures 5 and 6 in particular show the slides 20, 25 in different positions relative to the opening 15 wherein also the coupling mechanism by means of the control plate 30 with guide grooves 28, 29 and guides pins 26, 27 is illustrated. The general arrangement of this flow-adjusting mechanism within the vacuum cleaning tool can be taken from Fig. 1. In addition to the opening 15 an auxiliary opening 38 (Fig. 1) is provided in the housing. This arrangement does not show first and second flow connections located on first and second sides of an imaginary plane that is defined by the axis of rotation of the air turbine and the center of the outlet opening - note that relative to a plane defined by the axis of rotation 12 of the air turbine and the center of the outlet opening (to the socket 9), the flow connections 38 and 15 would be on the same side relative to the plane.

Reference 4) discloses a vacuuming tool with rotating brush roller 4 driven by an air turbine 5 wherein the tool comprises a nozzle 9 for guiding the airflow onto the air turbine 5. Two different positions of the nozzle 9 are illustrated in Fig. 3. The nozzle provides a

means for directing the airflow in different strengths onto the air turbine for controlling in this way the output of the air turbine without changing the air intake of the tool. This device shows a variable flow connection, but not first and second flow connections on opposite sides of an imaginary plane defined by the axis of rotation of the air turbine and the center of the outlet opening.

It is respectfully requested that any fees required and not enclosed herewith or any shortages in any fees be charged to Deposit Account 50-1199.

Consideration of the foregoing in relation to this application is respectfully requested.

Respectfully submitted May 28, 2002,

Gudrun E. Huckett

Ms. Gudrun E. Huckett, Ph.D.
Reg. No. 35,747, for the Applicant

Gudrun E. Huckett, Ph.D.
Patent Agent
P.O. Box 3187
Albuquerque, NM 87190

Telephone: (505) 266-2138
Telefax: (505) 266-2138

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Enclosures: [x] PTO 1449
[x] reference(s)
[ ] search report (incl. translation)
[ ] fee

PTO 1449	Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Applicati n Number	10/087,254
	Filing Date	3/1/2002
	First Named Inventor	Peter Wörwag
	Group Art Unit	
Date submitted: 5/28/2002	Examiner Name	
Sheet 1 of 1	Attorney Docket No.	A91374

U. S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date
	1	5,950,275	9/14/1999	Peter Wörwag			2/17/1998

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Document No.	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	2	0 338 780	10/25/1989	EPO				X
	3	41 08 900	11/19/1992	Germany				X
	4	3414 862	11/7/1985	Germany				X

~~OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS~~

Examiner Initials	Cite No.	Name of Author (in CAPITAL LETTERS), Title of Article, Title of Item (Book, Journal, etc.), Date, Page(s), Volume or Issue No., Publisher, City and/or Country Where Published

Examiner Signature		Date Considered	